

Water filling station

Type: PRABAT.75



Presentation:

- Top-up of water for battery banks
- Approved automatic filling nozzle
- Autonomous system without network connection
- Small overall dimensions
- Ergonomics with railway standards
- Easy to operate

The battery filling station is used to top-up batteries with demineralised water as specified by the battery manufacturer. It includes the 4 following elements:

- A demineralised water reserve of 75 L.
- A DC electric pump associated with an electro valve. Flow 2 l/minute. Water height 4m.
- a filling nozzle approved by the French Railway SNCF, (can be supplied by ENAG upon request)
- a 12Vdc battery and a switch-mode charger integrated into the station

Operation / use :

- When the station is not used, it is stored close to a 230 V single-phase outlet. The internal charger is connected to the mains. It is used to charge automatically the batteries and ensures it is charged and ready for operation.
- Autonomy: possibility of filling the batteries without being connected to the mains
- The nozzle is connected to the station by a connector and a fast water connection. The nozzle has the following advantages:
 - Robust equipment with adapted ergonomics,
 - Pushbutton to start the water flow regulated at 2 l/mn
 - Automatic Stop by probe incorporated in the nozzle as soon as the water level is reached,
 - The water flow is immediately stopped as soon as the probe is activated,
 - Spout equipped with removable wedges for each type of accumulator. No retention of water,
 - Functions on Ni/Cd and lead batteries (a nozzle per type of technology).

Technical Characteristics:

- **Supply :**
Electricity (station stored for recharge): 230V single-phase +/- 10%, 50 Hz, 1A max. with 3m cable
Water: 75 litres water tank
- **Use:**
Nozzle (supplied by customer): Automatic filling with 10 meters pipe
Controlled flow started by action on pushbutton. Flow Indicator LED
On the station: 1 indicator charger in service (device connected to the mains)
1 ON/OFF switch for operation of the system (optional)
Inside the station: 1 electronic adjustment of the sensitivity of the nozzle sensor
1 indicator charger "on"
All subassemblies accessible by removing front cover
1 tap for water flow

Presentation:

- Easily manoeuvrable mounted on a mobile trolley
- Very stable
- Non absorbing inert tank. No metal element in contact with demineralised water
- Storage of the tube and nozzle on the station
- 400 mm inflatable wheels. Colours: blue RAL 5012 and white RAL 9001.
- Reinforced tube resistant to chemicals and solvents,
- The battery ensures autonomous operation for normal daily maintenance

Dimensions: Height: 1200 mm - Width: 670 mm - Length: 900 mm - Weight: 120 Kg full tank

Climatic constraints: Temperature: +1° C to + 45° C - Protection against rain. Operation in- or outdoors

Applicable standard: C52100 and C15100

Documentation: User and preventive maintenance manuel in English

Option: please consult us.

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ENAG S.A.S. - 31 rue Marcel Paul - Z.I. Kerdroniou Est - 29000 Quimper – France

Tel : + 33 2 98 55 51 99 – Fax : + 33 2 98 55 51 67 - E-mail : contact@enag.fr – Site : www.enag.fr